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## (54) PYRAZOLONE DERIVATIVE, AND HERBICIDE

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## (57) Abstract:

**PROBLEM TO BE SOLVED:** To obtain a new pyrazolone derivative useful as a herbicide for fields and non-arable lands, having a high herbicidal effect against a variety of field weeds at low dosages in either case of soil and foliage treatments.

**SOLUTION:** This compound is a new pyrazolone derivative shown by formula I [R is H, (substituted) phenyl, (substituted) furyl, (substituted) thieryl, etc.; X is cyano, nitro, (1-4C alkoxy)carbonyl, etc.; Y is H, a 1-6C alkyl, 3-6C cycloalkyl, 1-6C haloalkyl, etc.; Z is O or S; L is a single bond, (substituted) 1-6C alkylene, (substituted) 2-6C alkenylene, etc.; (n) is 0 or 1; when A is a single bond, B is NR<sup>2</sup>, etc., (R<sup>2</sup> is H, methyl, etc.)], e.g. 3-cyano-1-methyl-4-[1-(4-trifluoromethylbenzylamino)ethylidene]pyrazolin-5-one.

This compound is obtained, e.g. by reacting an intermediate of formula III formed from an oxaloacetic diester of formula II as starting material with a carbonyl chloride, followed by reacting the resultant compound of formula IV with an amine.

